



## SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:  
EP 22 85 21 25

**Classification of the application (IPC):**  
H04L 27/26, H04W 56/00, H04W 16/14

**Technical fields searched (IPC):**  
H04L, H04W

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	US 2021014805 A1 (TANG HAI [CN]) 14 January 2021 (2021-01-14) * paragraphs [0034] - [0040], [0108] - [0124] *	1, 2, 4, 6, 7, 9, 11, 12
A	US 2020280942 A1 (JUNG MANYOUNG [KR] ET AL) 03 September 2020 (2020-09-03) * paragraphs [0111] - [0164], [0255] - [0262] *	1-12
A	WO 2021033328 A1 (NTT DOCOMO INC [JP]) 25 February 2021 (2021-02-25) * paragraphs [0086] - [0153] * & EP 4021097 A1 (NTT DOCOMO INC [JP]) 29 June 2022 (2022-06-29) * paragraphs [0034] - [0040], [0108] - [0124] *	1-12

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search Munich	Date of completion of the search 16 September 2024	Examiner Sorrentino, Andrea
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### CATEGORY OF CITED DOCUMENTS

X: particularly relevant if taken alone	P: intermediate document
Y: particularly relevant if combined with another document of the same category	T: theory or principle underlying the invention
A: technological background	E: earlier patent document, but published on, or after the filing date
O: non-written disclosure	D: document cited in the application
& : member of the same patent family, corresponding document	L: document cited for other reasons

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## ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on 16-09-2024.  
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